15

13

second image path onto said second segment of said screen assembly and interfacing said first image at said center axis, wherein said second image intersects said center axis at a substantially normal angle, and further wherein said Fresnel lens is positioned between said 5 display screen and said first and second off-axis projectors in said first and second image paths.

17. The projection display system recited in claim 16, wherein said first off-axis projector is positioned substantially adjacent to said second off-axis projector.

18. The projection display system recited in claim 16, wherein said display screen has a front surface and a rear surface and said Fresnel lens substantially covers said rear surface.

19. A projection display system comprising:

- a screen assembly including a display screen and a Fresnel lens, said screen assembly having a vertical center axis and a horizontal center axis segmenting said screen assembly into a first quadrant, a second quadrant, a third quadrant and a fourth quadrant;
- a first off-axis projector producing a first image directed via a first image path onto said first quadrant, wherein said first image intersects said vertical and horizontal center axes at a substantially normal angle;
- a second off-axis projector producing a second image directed via a second image path onto said second

14

quadrant and interfacing said first image at said vertical center axis, wherein said second image intersects said vertical and horizontal center axes at a substantially normal angle;

- a third off-axis projector producing a third image directed via a third image path onto said third quadrant, said third image intersecting said vertical and horizontal center axes at a substantially normal angle; and
- a fourth off-axis projector producing a fourth image directed via a fourth image path onto said fourth quadrant and interfacing said third image at said vertical center axis, said fourth image intersecting said vertical and horizontal center axes at a substantially normal angle, and further wherein said Fresnel lens is positioned between said display screen and said first, second, third and fourth off-axis projectors in said first, second, third and fourth image paths.
- 20. The projection display system recited in claim 19, wherein said first image interfaces said third image at said horizontal center axis.
- 21. The projection display system recited in claim 20, wherein said second image interfaces said fourth image at said horizontal center axis.

* * * * *